Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/15/2019 09:43 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123835	-1	1.82	123923	1.82
Blue	F	SSC	125000	124136	-1	1.53	124908	1.51
Blue	E	FITC	16433	16254	-2	2.58	354	19.47
Blue	D	PE	27595	27271	-2	1.79	593	14.26
Blue	B	PerCP-Cy5-5	43183	42884	-1	3.47	1155	19.28
Blue	A	PE-Cy7	31943	31598	-2	5.84	603	40.20
Red	C	APC	42819	42553	-1	2.34	1508	11.79
Red	A	APC-Cy7	31261	30124	-4	2.29	807	11.56
Violet	B	V450	6527	6297	-4	4.37	352	13.14
Violet	A	V500	24533	23505	-5	4.03	545	10.34

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17903	9.34	607	7	N/A	N/A	Pass
Blue	F	SSC	56490	1.06	550	2	N/A	N/A	Pass
Blue	E	FITC	64	62.06	538	-1	0.0211	114	Pass
Blue	D	PE	123	48.82	534	0	0.1776	280	Pass
Blue	B	PerCP-Cy5-5	211	46.27	644	2	0.0100	19	Pass
Blue	A	PE-Cy7	114	93.64	691	2	0.0109	0	Pass
Red	C	APC	359	24.47	579	-4	0.0259	143	Pass
Red	A	APC-Cy7	179	27.49	557	-6	0.0059	846	Pass
Violet	B	V450	53	59.30	450	-5	0.0507	1942	Pass
Violet	A	V500	82	31.77	461	-6	0.0232	508	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.70	-32.24	0.98
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.50
Red	16.10	13.60 - 20.40	N/A	N/A	29.78	30.21	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 11557

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments